mobile DataVault

Government Secure Encryption Available Now
On Contracts Including GSA GS-35F-0538P

We've Created What We Consider To Be

The Perfect Military-Grade External & Removable SSD Drive

Take 90 Seconds to See If You Agree...

MILITARY-GRADE SHOCK & VIBRATION PROTECTION
Utilizing Olixir's exclusive patented technology, this SSD drive provides exceptional operational vibration & shock protection, in excess of MIL-STD-810F standards.

LONG OPERATIONAL LIFE
The ultra-rugged SSD-based drive offers superior reliability in comparison with commercial SSD drives, and is backed by a 2-year warranty. Optional extended warranty and replacement coverage available.

HIGH TOLERANCE TO HARSH ENVIRONMENTAL CONDITIONS
Operates to 80,000 foot altitude, and up to -40 to +85C operating (FMX model) temperatures.

HIGH CAPACITY
Capacities range up to **256GB** per drive – Eliminate piles of media and consolidate data.

HIGH PERFORMANCE DATA TRANSFER
Sustained data transfer rates of 60-**150 MB/s** achieved with eSATA/SATA connectivity.

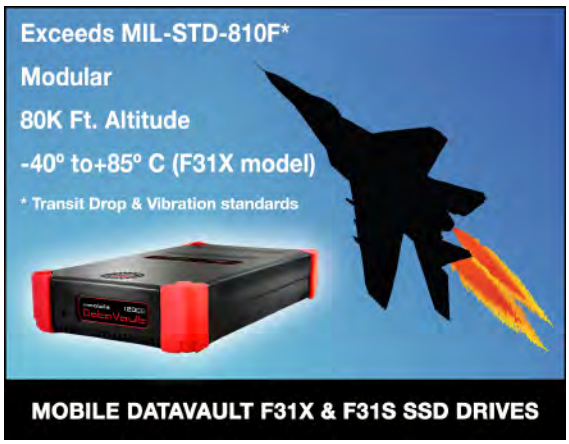
LIGHTWEIGHT, SMALL & COMPACT DESIGN
Weighs under 12oz and is about the size of a VHS tape. Compact design is stackable and stands vertically. Extremely quiet & low power operation.

PLUG & PLAY – EASE OF USE
Use with Windows 2000/XP/Vista, Macintosh OS 8.6+, or Linux OS.

5.25" DOCKING BAY OPTION
The 5.25" Docking Bay allows for cable-free usage and locks for additional security of Mobile DataVault drives. Mounts in any standard 5.25" slot in a rack or tower, and is available with IDE, USB 2.0, or SATA connectivity. Mix and match with other Mobile DataVault drive products!

OPTIONAL ENVIRONMENTAL FILTER
Dust and splash resistant environmental filter for use in harsh conditions.

ENCRYPTION
FIPS 140-2 Level 1 available now, Level 2 & 3 coming soon!


Exceeds MIL-STD-810F*
Modular
80K Ft. Altitude
-40° to+85° C (F31X model)
* Transit Drop & Vibration standards
MOBILE DATAVAULT F31X & F31S SSD DRIVES

AVAILABLE IN THE FOLLOWING CAPACITIES:
32, 64, 128 GB (SLC)
64, 128, 256 GB (MLC)

TWO MODELS AVAILABLE:
F31X and F31S (See Back)

APPLICATIONS

Military / Field Applications
Perfect for harsher mobile computing environments that require ultra-ruggedness and extreme protection.

Backup and Disaster Recovery
Highest level of shock and vibration protection for backup, rotation and offsite archiving of critical data.

Transferring or Moving Data
Versatile interface allows for interchangeable connection to PCs, Macs and Linux based systems. Patented shock and vibration protection allows for safe transport and shipping.

Critical Storage
Safe storage for business- and mission-critical data, digital media, photography, music and other important data.

Custom Applications
Use this SSD drive in a 5.25" docking bay, 19" rackmount, or tower.

See back of datasheet for more information.

OLIXIR TECHNOLOGIES

PRODUCT SPECIFICATIONS

Mobile DataVault F31-Series Max-Rugged SSD Drive Family*

**Specifications may vary based on drive capacity & are subject to change.*

General Characteristics	
Capacity	F31X Model: 32, 64, 128 GB (SLC) 64, 128, 256 GB (MLC) F31S Model: Contact Us
Physical Dimensions	1.40 in x 4.45 in x 7.50 in
Weight	< 12.5 oz
Connectivity Options	USB 3.0/2.0, eSATA Cables or 5.25" Docking Bay
Avg Seek Time Read	TBD
OS Compatability	Windows XP+, Mac OS 8.6+, Linux OS
Power	
Supply Voltage	+5 V (± 5%)
Shock (Half-Sine Wave)	
Operating	6,000 G (2.0 ms)
Non-Operating	> 12,000 G (0.3ms)
Vibration (Half-Sine Wave)	
Operating	80 G (5-500 Hz)
Non-Operating	TBD
Environmental Characteristics - Operating:	
FMX Model Amb. Temperature (°C)	-40° to +85°
FMS Model Amb. Temperature (°C)	Contact Us for Specification
Altitude (ft)	-1,000 to +80,000 (MIL-STD-810F, Method 500.4, Proc. II)
Environmental Characteristics - Non-Operating::	
Amb. Temperature (°C)	-55° to +95°
Altitude (ft)	TBD
Reliability	
Data	10 Years
MTBF	3,000,000 Hours
Warranty	
	2 Years Optional 2-year extended warranty & replacement coverage is available.

Ultra-Versatile Connectivity Options

This product can be used *interchangeably* with any of the following cable kits and/or docking bay:

USB 3.0 CABLE

Burst Transfer Rate: 480 Mbps

eSATA & SATA CABLES

Burst Transfer Rate: 1,200 Mbps

5.25" DOCKING BAY

Docking Bay Connectivity Options: IDE, USB 2.0, or SATA
Locks for additional security.

USE IN RACKMOUNT & MOBILE TOWERS

- High Capacity Internal/Desktop Removable Hard/Flash Drive Solutions

- Large Capacity Desktop Tower with RAID, Separate Volume or Hybrid Configurations Available

- Large Capacity 19" Rackmount with RAID, Separate Volume or Hybrid Configurations Available

- MIL-STD-810F Racks Optional

- **Also Available:** Mobile DataVault F33 Transportable Hard Drives featuring 1TB – 3TB capacity and Mobile DataVault F32/F32X featuring extreme altitude and temperature tolerance.

Customized Solutions Available – Call Us

- **Contact information is below.**
- Visit **www.olixir.com** for new product updates, additional specs, applications, case studies, and promotions.
- Certain rack and tower systems may require a specific model Mobile DataVault hard drive. Please call for details.

OLIXIR TECHNOLOGIES

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